

AMENDMENTS

A. IN THE SPECIFICATION

Please insert the following replacement paragraph at page 4, lines 1-5:

B 1
The invention also provides a eukaryotic host cell containing an expression vector encoding *Renilla* luciferase. For example, the host cell can be any eukaryotic or mammalian cell such as a human cell. In one aspect, the cell is a HeLa cell. In a further embodiment, the HeLa cell has ATCC accession number CCL-2. In yet another aspect, the cell is a plant cell.

Please insert the following replacement paragraph at page 14, lines 7-12:

B 2
The invention provides a stably transfected mammalian cell containing a luciferase gene useful in measuring cell proliferation and the effect of an agent on cell proliferation. A HeLa cell was stably transfected with a *Renilla* luciferase gene as described in the examples below. This cell was expanded for cryopreservation.

B. IN THE CLAIMS

Please enter the following rewritten claims:

B 3
18. (Twice Amended) An *in vitro* method for determining cell proliferation of a cell or population of cells comprising:

B 4
obtaining light emission data from a cell containing a *Renilla* luciferase polypeptide or a polynucleotide encoding a *Renilla* luciferase over a period of time wherein a change in light emission data is indicative of a change in cell proliferation.

B 5
63. (Twice Amended) An *in vitro* method of screening mammalian cells to determine their susceptibility to treatment with an agent, comprising: